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**PATENT ABSTRACTS OF JAPAN**(21) Application number: **08017951**(51) Intl. Cl.: **A61F 2/38**(22) Application date: **02.02.96**

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| (30) Priority:   | (71) Applicant: <b>TOMITA NAOHIDE</b> |
| (43) Date of application<br>publication: <b>12.08.97</b> | <b>MIZUHO IKA KOGYO KK</b>            |
| (84) Designated contracting<br>states:                   | (72) Inventor: <b>TOMITA NAOHIDE</b>  |
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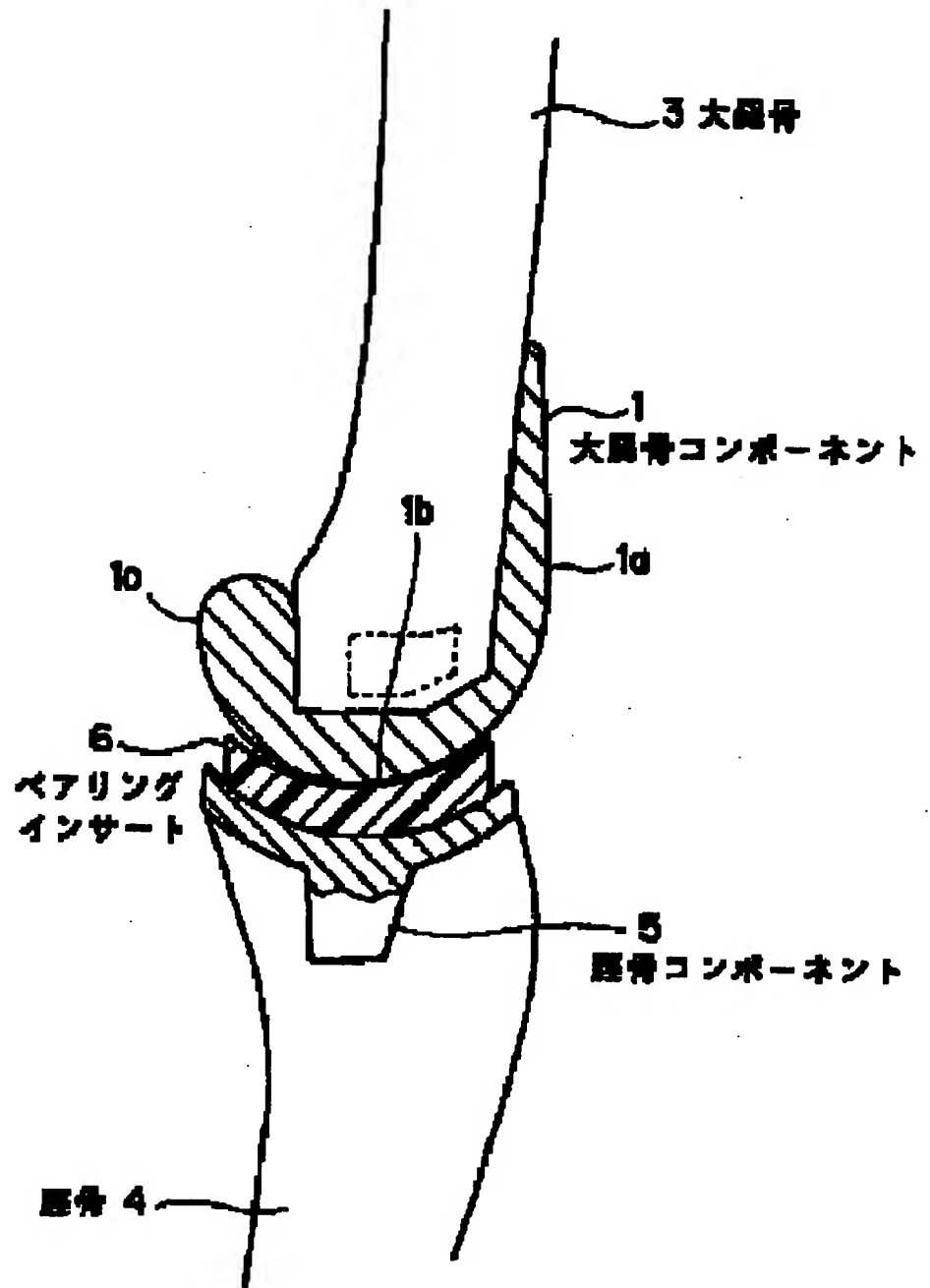
**(54) ARTIFICIAL KNEE  
ARTICULATION**

(57) Abstract:

**PROBLEM TO BE SOLVED:** To provide an artificial articulation capable of deeply bending and achieving the stability of a knee without any wearing problem of polyethylene.

**SOLUTION:** This artificial knee articulation is a deeply bendable articulation comprising a thigh bone

component consisting of a front standing part 1a, a lower part 1b, and a rear standing part 1c with respective gently curved sliding face to be fixed to the distant position of a thigh bone and having a dent 1e to be a sliding face against the knee cap in the central part of the lower face, and a shin bone component being fixed to the juxtaposition of the shin bone and having a dent on the upper face. A bearing insert 6 with a dent upper face and a protruding lower face is slidably mounted between the thigh bone component 1 and the shin bone component 5.



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